

Phymatodes

- dimethyl-, (5E,7E)- [35944-00-4]
Phymatodes
 See *Polypodium* (fern)
Phynazol
 See *Ethanaminium*, 2-chloro-N,N,N-trimethyl-, chloride, mixt. with (2-chloroethyl)phosphonic acid [54241-59-7]
Phymone
 See 1-Naphthaleneacetic acid [86-87-3]
Phyriaporphyrin
 See 21H,23H-Porphine-2,7,12,18-tetrapropionic acid, 3,8,13-tris(carboxymethyl)-17-methyl- [25744-38-1]
Phyriaporphyrinogen III
 See 21H,23H-Porphine-2,7,12,18-tetrapropionic acid, 3,8,13-tris(carboxymethyl)-5,10,15,20,22,24-hexahydro-17-methyl- [4990-00-5]
Physa
 Unidentified pond snails are also indexed at this heading
Physagulin A
 See *Ergosta*-2,16,24-trien-26-oic acid, 15-(acetyloxy)-5,6-epoxy-14,22-dihydroxy-1-oxo-, δ -lactone, (4 β ,5 β ,15 α ,22R)- [146713-98-6]
Physagulin B
 See *Ergosta*-2,16,24-trien-26-oic acid, 15-(acetyloxy)-5-chloro-6,14,22-trihydroxy-1-oxo-, δ -lactone, (5 α ,6 β ,15 α ,22R)- [146713-97-5]
Physagulin C
 See *Ergosta*-2,24-dien-26-oic acid, 15-(acetyloxy)-5,6,16,17-diepoxy-4,14,22-trihydroxy-1-oxo-, δ -lactone, (4 β ,5 β ,6 β ,14 β ,15 α ,16 β ,17 α ,22R)- [136997-67-6]
Physagulin D
 See *Ergosta*-5,24-dien-26-oic acid, 3-(β -D-glucopyranosyloxy)-1,22,27-trihydroxy-, δ -lactone, (1 α ,3 β ,22R)- [146713-92-0]
Physagulin E
 See *Ergosta*-2,16,24-trien-26-oic acid, 15-(acetyloxy)-28-(β -D-glucopyranosyloxy)-5,6,14,22-tetrahydroxy-1-oxo-, δ -lactone, (5 α ,6 β ,15 α ,22R)- [148054-13-1]
Physagulin F
 See *Ergosta*-2,24-dien-26-oic acid, 15-(acetyloxy)-16,17-epoxy-5,6,14,22-tetrahydroxy-1-oxo-, δ -lactone, (5 α ,6 β ,14 β ,15 α ,16 β ,17 α ,22R)- [148054-12-0]
Physagulin G
 See *Ergosta*-2,24-dien-26-oic acid, 15-(acetyloxy)-16,17-epoxy-28-(β -D-glucopyranosyloxy)-5,6,14,22-tetrahydroxy-1-oxo-, δ -lactone, (5 α ,6 β ,14 β ,15 α ,16 β ,17 α ,22R)- [148076-22-6]
Physalactone
 See *Ergosta*-8(14),24-dien-26-oic acid, 5,6-epoxy-4,17,20,22-tetrahydroxy-3-methoxy-1-oxo-, δ -lactone, (3 β ,4 β ,5 β ,6 β ,22R)- [64766-16-1]
Physalemin [2507-24-6]
 H-5-oxo-L-Pro-L-Ala-L-Asp-L-Pro-L-Asp(NH₂)-
 1 2 3 4 5
 L-Lys-L-Phe-L-Tyr-Gly-L-Leu-L-Met-NH₂
 6 7 8 9 10 11

Physalia
 See *Portuguese man-of-war*

Physalien
all-trans- see β,β -Carotene-3,3'-diol, dihexadecanoate, (3R,3'R)- [144-67-2]

Physalin A
 See 1,17,2,6-Dimethano-8H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,19(1H,8aH)-tetrone, 2,3,6,6a,9,10,10a,10b,14,16,16a,17-dodecahydro-8a,16,17-trihydroxy-2,6a,10b-trimethyl-3-methylene-, (1S,2S,6R,6aS,8aR,10aS,10bR,16R,16aS,17R,18aR)- [23027-91-0]
 —, deoxytetrahydro-

See 1,17,2,6-Dimethano-8H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,19(1H,8aH)-tetrone, 2,3,6,6a,9,10,10a,10b,12,13,14,16,16a,17-tetradecahydro-8a,17-dihydroxy-2,3,6a,10b-tetramethyl-, (1S,2S,6R,6aS,8aR,10aS,10bR,16aR,17R,18aR)- [29485-40-3]

Physalin B
 See 17,3-(Epoxy-methano)-1,17,2,6-dimethano-17H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,10bH)-tetrone, 2,3,6,6a,9,10,10a,14,16,16a-decahydro-8a-hydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,16aR,17R)- [23133-56-4]

Physalin C
 See 1,17,2,6-Dimethano-8H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,19(1H,8aH)-tetrone, 2,3,6,6a,9,10,10a,10b,14,16,16a,17-dodecahydro-8a,17-dihydroxy-2,6a,10b-trimethyl-3-methylene-, (1S,2S,6R,6aS,8aR,10aS,10bR,16aR,17R,18aR)- [27503-33-9]

Physalin D
 See 17,3-(Epoxy-methano)-1,17,2,6-dimethano-17H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,10bH)-tetrone, 2,3,6,6a,9,10,10a,14,14a,15,16,16a-dodecahydro-8a,14a,15-trihydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,14aR,15R,16aR,17R,18aR)- [54980-22-2]

Physalin E
 See 17,3-(Epoxy-methano)-1,17,2,6-dimethano-17H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,10bH)-tetrone, 2,3,6,6a,9,10,10a,14,14a,15,16,16a-dodecahydro-8a,14a,16-trihydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,14aR,16R,16aS,17R,18aR)- [70241-10-0]

Physalin F
 See 14H-17,3-(Epoxy-methano)-1,17,2,6-dimethanooxirenol[4,4a]naphtho[1,2-f]furo[3,4-

b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,15aH)-tetrone, 2,3,6,6a,9,10,10a,10b,16,16a-decahydro-8a-hydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,14aR,15aR,16aR,17R,18aR)- [57423-71-9]

Physalin G
 See 17,3-(Epoxy-methano)-1,17,2,6-dimethano-17H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,10bH)-tetrone, 2,3,6,6a,9,10,10a,15,16,16a-decahydro-8a,15-dihydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,15S,16aR,17R,18aR)- [69913-56-0]

Physalin H
 See 17,3-(Epoxy-methano)-1,17,2,6-dimethano-17H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,10bH)-tetrone, 14a-chloro-2,3,6,6a,9,10,10a,14,14a,15,16,16a-dodecahydro-8a,15-dihydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,14aR,16R,16aR,17R,18aR)- [70241-09-7]

Physalin J
 See 14H-17,3-(Epoxy-methano)-1,17,2,6-dimethanooxirenol[4,4a]naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,15aH)-tetrone, 2,3,6,6a,9,10,10a,10b,16,16a-decahydro-8a-hydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,14aR,15aR,16aR,17R,18aR)- [57517-46-1]

Physalin K
 See 2H-7,11-(Epoxy-methano)-2,4a-etheno-7,9:10,14-dimethano-7H-[1,2]dioxino[4,3-h]oxocino[3',4':2,3]furo[3,4-c][2]benzoxocin-1,12,16,22-(5H,9H,16aH)-tetrone, 6,6a,10,11,14,14a,17,18,18a,18b-decahydro-5,16a-dihydroxy-10,14a,18b-trimethyl-, (2S,4aR,5R,6aR,7R,8aR,9S,10S,11S,14R,14aS,16aS,18aS,18bR)- [76045-35-7]

Physalin L
 See 1,17,2,6-Dimethano-8H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,19(1H,8aH)-tetrone, 2,3,6,6a,9,10,10a,10b,12,16,16a,17-dodecahydro-8a,16,17-trihydroxy-2,3,6a,10b-tetramethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,16R,16aS,17R,18aR)- [113146-74-0]

Physalin M
 See 1,17,2,6-Dimethano-8H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,19(1H,8aH)-tetrone, 2,3,6,6a,9,10,10a,10b,12,16,16a,17-dodecahydro-8a,17-dihydroxy-2,3,6a,10b-tetramethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,16aR,17R,18aR)- [117591-92-1]

Physalin N
 See 17,3-(Epoxy-methano)-1,17,2,6-dimethano-17H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,21(1H,8aH,10bH)-tetrone, 2,3,6,6a,9,10,10a,14,16,16a-decahydro-8a,16-dihydroxy-2,6a,10b-trimethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,16R,16aS,17R,18aR)- [70286-65-6]

Physalin O
 See 1,17,2,6-Dimethano-8H-naphtho[1,2-f]furo[3,4-b:2,3-c']bisoxocin-4,8,11,19(1H,8aH)-tetrone, 2,3,6,6a,9,10,10a,10b,14,16,16a,17-dodecahydro-8a,16,17-trihydroxy-2,3,6a,10b-tetramethyl-, (1S,2S,3S,6R,6aS,8aR,10aS,10bR,16R,16aS,17R,18aR)- [120849-18-5]

Physalin P
 See 9H-16,6a-(Epoxy-methano)-15,2,16-(methanoxy-metheno)-4H,6aH-naphtho[1',2':7,8]cycloocta[1,2-b]pyrano[4,3-d]pyran-4,12,19,21(12aH)-tetrone, 1,2,4a,5,6b,8a,12b,13,14,15,16a,16b-dodecahydro-8a,15-dihydroxy-12a,16b,17-trimethyl-, (2R,4aS,6aS,6bR,8aS,12aR,12bS,15R,16S,16aS,16bS,17S)- [149204-27-3]

Physalin Q
 See 2H-7,11-(Epoxy-methano)-2,4a-etheno-7,9:10,14-dimethano-7H-[1,2]dioxino[4,3-h]oxocino[3',4':2,3]furo[3,4-c][2]benzoxocin-1,12,16,22-(5H,9H,16aH)-tetrone, 6,6a,10,11,14,14a,17,18,18a,18b-decahydro-5,16a-dihydroxy-10,14a,18b-trimethyl-, (2R,4aS,5R,6aR,7R,8aR,9S,10S,11S,14R,14aS,16aS,18aS,18bR)- [161407-65-4]

Physalin R
 See 11b,14c-Epoxy-2,14-(epoxy-methano)benz[6,7]indeno[1,2,3-jk]benzofuro[5,4,3-efg][2]benzoxepin-4,6,16(1H,5cH)-trione, 2,2a,4a,5,5a,5b,9,11,11a,11c,13,14,14a,14b-tetradecahydro-4a,11c-dihydroxy-2a,5c,14a-trimethyl-, (2R,2aS,4aR,5aS,5bS,5cR,11aR,11bR,11cS,14S,14aS,14bR,14cR)- [171828-74-3]

Physalin S
 See 2H-6,10-(Epoxy-methano)-6,8:9,13-dimethanocycloprop[1,7a]indeno[4,5-f]oxocino[3',4':2,3]furo[3,4-b]oxocin-1,11,15,21(4H,8H,15aH)-tetrone, dodecahydro-4,15a-dihydroxy-9,13a,17b-trimethyl-, (2aS,3aR,4R,5aR,6R,7aR,8R,9S,10S,13R,13aS,15aR,17aS,17bR)- [171864-32-7]

Physalis franchetii
 See *Physalis alkekengi*

Physalolactone
 See *Ergosta*-2,24-dien-26-oic acid, 6-chloro-4,5,14,17,20,22-hexahydroxy-1-oxo-, δ -lactone, (4 β ,5 β ,6 α ,17 α ,22R)- [71339-25-8]

Physalolactone B
 See *Ergosta*-5,24-dien-26-oic acid, 1-(acetyloxy)-3,20,22-trihydroxy-, δ -lactone, (1 α ,3 β ,22R)- [78916-78-6]

Physalolactone C
 See *Ergosta*-2,14,24-trien-26-oic acid, 6-chloro-4,5,17,20,22-pentahydroxy-1-oxo-, δ -lactone, (4 β ,5 β ,6 α ,17 α ,22R)- [92594-02-0]

Physan 20
 See *Ammonium halides*, benzyl-C₁₂-18-alkyldimethyl, chlorides, mixts. with C₁₂-14-alkyl(ethylphenyl)methyl]dimethylammonium chlorides

Physangulide
 See *Ergosta*-26-oic acid, 5,6:24,25-diepoxy-3,4,20,

22-tetrahydroxy-1-oxo-, δ -lactone, (3 β ,4 β ,5 β ,6 β ,22S,25S)- [123039-58-7]

Physanol A
 See *Stigmasta*-7,20-dien-6-one, 3-(benzoyloxy)-11-hydroxy-, (3 β ,5 α ,11 α)- [54615-35-9]

Physanol B
 See *Stigmasta*-7-en-6-one, 3-(benzoyloxy)-11-hydroxy-, (3 β ,5 α ,11 α)- [54615-36-0]

Physanolide
 See *Ergosta*-5,24-dien-26-oic acid, 14,17,20,22-tetrahydroxy-1,4-dioxo-, δ -lactone, (17 α ,22R)- [79199-28-3]

Physapruin A
 See *Ergosta*-2,5,24-trien-26-oic acid, 4,14,17,20,22-pentahydroxy-1-oxo-, δ -lactone, (4 β ,17 α ,22R)- [155178-03-3]

Physapruin B
 See *Ergosta*-2,24-dien-26-oic acid, 6-(acetyloxy)-5-butoxy-14,17,20,22-tetrahydroxy-1-oxo-, δ -lactone, (5 α ,6 β ,17 α ,22R)- [155178-04-4]

Physapubenolide
 See *Ergosta*-2,24-dien-26-oic acid, 15-(acetyloxy)-5,6-epoxy-4,14,22-trihydroxy-1-oxo-, δ -lactone, (4 β ,5 β ,6 β ,14 β ,15 α ,22R)- [100217-92-3]

Physapubescin
 See *Ergosta*-2-en-1-one, 15-(acetyloxy)-5,6:22,26:24,25-triepoxy-4,26-dihydroxy-, (4 β ,5 β ,6 β ,15 α ,22R,24S,25S)- [74747-52-7]

Physarochrome A
 See L-Glutamine, N²-[(2E,4E,6E,8E,10E)-11-[2-(acetylamino)-3-hydroxyphenyl]-1-oxo-2,4,6,8,10-undecapentaenyl]- [114670-90-5]

Physarorubinic acid
 See 2,4,6,8,10-Dodecapentaenoic acid, 12-hydroxy-12-[(5S)-5-(hydroxymethyl)-1-methyl-2,4-dioxo-3-pyrrolidinylidene]-, (2E,4E,6E,8E,10E,12E)- [196621-49-5]

Physarorubinic acid A
 See 2,4,6,8,10-Dodecapentaenoic acid, 12-hydroxy-12-[(5S)-5-(hydroxymethyl)-1-methyl-2,4-dioxo-3-pyrrolidinylidene]-, (2E,4E,6E,8E,10E,12E)- [196621-49-5]

Physarorubinic acid B
 See 2,4,6,8-Decatetraenoic acid, 10-hydroxy-10-[(5S)-5-(hydroxymethyl)-1-methyl-2,4-dioxo-3-pyrrolidinylidene]-, (2E,4E,6E,8E,10E)- [220422-56-0]

Physcion
 See 9,10-Anthracenedione, 1,8-dihydroxy-3-methoxy-6-methyl- [521-61-9]

Physcion anthrone
 See 9(10H)-Anthracenone, 1,8-dihydroxy-3-methoxy-6-methyl- [3571-31-1]

Physciondianthrone
 See [9,9'-Bianthrane]-10,10'(9H,9'H)-dione, 4,4',5,5'-tetrahydroxy-2,2'-dimethoxy-7,7'-dimethyl- [21871-90-9]

Physcionin
 See 9,10-Anthracenedione, 1-(β -D-glucopyranosyloxy)-8-hydroxy-6-methoxy-3-methyl- [26296-54-8]

Physciosporin
 See 11H-Dibenzo[b,e][1,4]dioxepin-7-carboxylic acid, 2-chloro-4-formyl-3,8-dihydroxy-1,6,9-trimethyl-11-oxo-, methyl ester [64662-25-5]

Physex
 See *Gonadotropin*, chorionic [9002-61-3]

Physical chemistry
 Studies relating only to broad aspects of this heading are indexed here. Studies relating to specific aspects, including properties, reactions, substances, phenomena, etc., are indexed at those headings. This heading is reserved for studies too broad or diffuse to be classified more specifically

See also narrower:
 Electrochemistry
 Quantum chemistry
 See also related:
 Physical properties
 Physics

Physical exercise
 See *Exercise*

Physical mapping (genetic)
 Valid heading during volumes 129-130 (July 1998-June 1999) only

See *Genetic mapping*, phys.

Physical process kinetics
 See also narrower:
 Crystal growth kinetics
 Crystallization kinetics
 Dissolution rate
 Leaching kinetics
 Nucleation kinetics
 Precipitation kinetics
 Sintering kinetics
 Sorption kinetics

See also related:
 Activation energy
 Activation enthalpy
 Activation entropy
 Activation volume
 Enthalpy
 Free energy of activation

Physical properties
 See also narrower:
 Additivity
 Anisotropy
 Electric properties
 Electronic properties
 Fusibility
 Heterogeneity
 Homogeneity
 Isotope effect
 Magnetic properties
 Mechanical properties